

12.The database in the Specific Artificial Intelligence for Artificial Research By Deduction



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12.The database in the Specific Artificial Intelligence for Artificial Research By Deduction

The database in any [Specific Artificial Intelligence for Artificial Research By Deduction](#), must always be a matrix, whose Application, as the first stage in this [Specific Artificial Intelligence](#), consists only of all the necessary [factors](#) for the [research](#) in any specific [synthetic science](#), specific synthetic academic field, or within a specific interdisciplinary or multidisciplinary [study](#) treated as a specific synthetic academic field, or any other activity.

Once the first stage of the Application is finished, in the second stage, the replication stage, the matrix will be filled with the flow of [measurements](#) obtained by robotic devices. But this second stage is only after the total completion of the first stage: the construction of the database as a matrix.

In this post, I will develop some examples for the construction of a specific matrix for Specific Artificial Intelligence for Artificial Research by Deduction, taking as examples possible research using this technology in tectonics, climatology, transport, and gravity.

For the formation of this database, something really important, in the core of [Impossible Probability](#), is the consideration of at least two types of information from the [synthetic world](#): [direct punctuations and frequencies](#).

Depending on the nature of the information, direct punctuations or frequency, the way in which in the second stage of replication the information is going to be treated is different, except by the use of the [Second Method](#) of Impossible Probability, where all information is transformed into [empirical probabilities](#).

However, the Second Method of Impossible Probability should be treated only as what it is, a Second Method after the first one: the

traditional [statistics](#) and the traditional [probability](#). What is really important, regardless of what kind of [methodology](#) is used in the second stage of replication, is to understand the real meaning of the database as a matrix in the first stage of application in any Specific Artificial Intelligence for Artificial Research by Deduction.

Some specific matrices for some specific synthetic sciences, synthetic academic fields, or activities, are going to be integrated by databases whose factors are going to be measured only in direct punctuations, other databases by only frequencies, but other data ases are going to integrate into the same database factors whose measurement is made by direct punctuations and others by frequencies.

The ideal in Impossible Probability working on [Artificial Intelligence](#), is the possibility of the construction of databases where, regardless of what kind of information is gathered, direct punctuations or/and frequencies, all information must be integrated in the same database, and should be treated using the same statistical and probabilistic methods.

Starting with some examples for the elaboration of a specific matrix for a Specific Artificial Intelligence for Artificial Research by Deduction, the first example to develop will be applied in tectonics.

If we have to develop a specific matrix only for tectonics, something to consider is the fact that some tectonic factors measured by robotic devices will be measured as direct punctuations while others as frequencies.

For instance, if we want to measure the geological temperature at different locations in the terrestrial geological structure, the temperature is a kind of information measured as direct punctuation.

The way in which it is possible to work with flows of direct punctuations of temperature around the world is the following, every single thermometer considered as a factor for the measurement, will be defined in quantitative terms indicating exact location in terms of latitude, longitude, and Depth (below the sea level, in the sea or the ocean) or height (above

the sea level, in continents and islands). So if we have thousands of thousands of thermometers at different depths or heights at different locations, we will have a temperature map of the planet directly from thermometers located in these positions. At the same time, via artificial satellite is possible to have another possible map of terrestrial temperature, indicating the temperature estimated for every single point defined in terms of latitude, longitude, or even depth or height.

In the same way that every thermometer, or every point of temperature by artificial satellite is a single factor to include in this specific matrix, which are going to give a flow of direct punctuations of temperature for each location as a factor in this specific matrix, another one is the measurement of any quake or any phenomenon in which any surface suffers a trembling in any part of the world, even the most menial, taking as direct punctuations their intensity.

But at the same time, using taxonomies of possible tectonic phenomena such as earthquakes, tsunamis, and volcanoes, as well as any other, differentiating categories of each type of possible phenomenon depending on their intensity or any other quantitative difference, in the same matrix is possible to have an updated measurement of the frequency in which each one happens, measuring their frequency across the world and their frequency in every single point of the world.

Nowadays, there are many agencies specialised in this kind of investigation with very powerful measurement instruments. One of them for instance, is the United States Geological Survey.

In fact, the work for the construction of a database with the shape of a matrix for Specific Artificial Intelligence for Artificial Research by Deduction in tectonics is not very difficult with the current organisations working in this synthetic science. I have mentioned the United States Geological Survey because maybe is one of the most famous organisations in this field across the world, but in Europe, Russia, and China, there are similar organisations, with their own instruments of measurement and their own databases.

Having as databases the ones that these organizations can provide, the only thing that a [team](#) in Artificial Intelligence must do for the construction of a Specific Artificial Intelligence for Artificial Research by Deduction in tectonics is only to have a look their databases, to check how they are organised, try to integrate absolutely all of them if possible, or at least as many as possible, in only one, and practically the first stage for the construction of a Specific Artificial Intelligence for Artificial Research by Deduction in Tectonics is done.

In the same database must be integrated absolutely every type of information, in direct punctuations, such as geological temperature or intensity of quakes, and every kind of information in frequencies, such as the frequency in which any type of geological phenomenon happens: earthquakes, tsunamis, volcanoes, differentiating for each one different category according to their intensity, having the frequency of each of them in each possible location where the measurements are made.

All databases, of direct punctuations and frequencies, integrated in only one, allow the formation of [empirical hypotheses](#), taking as possible [stochastic relation](#) any possible relation between any factor in the same database, possible stochastic relation that after [rational contrastation](#), if it is rational, will be an object of single and comprehensive [modelling](#).

In the same way that a specific matrix for a Specific Artificial Intelligence for Artificial Research by Deduction in tectonics is easy to prepare, given the current databases of tectonics across the world thanks to the incredible work made by scientists in different organizations at the national or international level, could be made any other specific matrix, for any other purpose, taking the current databases from any other national or international agency, as a good resource to start the creation of any other Specific Artificial Intelligence for Artificial Research by Deduction, in any other synthetic science, synthetic academic field, or activity, such as oceanography, population, economy, education (for instance the global databases in the economy by the Organisation for the Economic, Co-operation, Development), human rights (databases provided by United Nations), climatology, and many more.

The application, by Artificial Intelligence teams, with the assistance of, in a future much nearer than we think, Specific Artificial Intelligence for Artificial Engineering, such as the Artificial Designer of Intelligence and the Intelligence Mechanic Robotic, are going to be the first experiments about how to apply the Artificial Research by Deduction in different specific synthetic sciences, synthetic academic fields, or activities, that after successful results, once the first gigantic global database will be ready, these previous experiments will facilitate the transformation of this [first gigantic database in a global matrix](#).

The construction of Specific Artificial Intelligences for Artificial Research, by Application or Deduction, and the application of Artificial Research by Deduction in Global Artificial Intelligence, will facilitate and accelerate the process of [automation of scientific research](#).

At the same time, the first models of [collaboration between Artificial Research by Application and Deduction](#) are going to appear, as long as the completion of the [unification process of Specific Artificial Intelligences for Artificial Research by Application](#) in a [unified database](#), which will end up [finally being integrated in the global matrix](#).

The next example of a specific matrix that I will develop is about climatology. In the construction of a specific matrix in climatology, for Specific Artificial Intelligence for Artificial Research by Deduction in climatology, the same process, in absolutely only one database, the inclusion of absolutely everything related to climatology, regardless of whether the information is gathered as direct punctuations or frequencies.

For instance, a) the definition of every thermometer as a factor, across the world, defined the factor in quantitative terms of latitude, longitude, and altitude, b) the definition of terrestrial points as factors where to measure the speed of the wind in terms of latitude, longitude and altitude, c) the definition of any point as a factor for the measurement of how many litres per square is raining or snowing, or any other kind of precipitation defining every location as a factor in terms of latitude, longitude, altitude.

The definition of any single point of the planet as a factor of measurement where is going to be measured any climatologic phenomenon: breeze, will, blizzard, drizzling, rain, hail, snow, storm, cyclone, tornado, hurricane, or any other, even the consideration as climatologic phenomenon the possible effects of solar storms in the terrestrial climatology, or even the consideration as a climatologic phenomenon the entrance of any meteorite in our atmosphere, every single phenomenon that happens in the atmosphere should be considered as possible climatologic phenomenon. Defining every single point where these measurements are taken in quantitative terms of latitude, longitude, and altitude, including in the same database, the measurements by direct punctuation or frequency.

In the same database, direct punctuations of temperature, speed of the wind, precipitation, among many others, for sure, and frequencies of breeze, will, blizzard, drizzling, rain, hail, snow, storm, cyclone, tornado, hurricane, or any other, differentiating categories of each type of possible phenomenon depending on their intensity or any other quantitative difference, where is going to be measured, in the second state, their frequency across the world and their frequency in every single point of the world.

This specific database for climatology follows the same structure as the specific database for tectonics.

In absolutely only one database, the inclusion of absolutely all the information of a specific synthetic science, discipline or activity, regardless of how this information is measured, in direct punctuations or frequencies, and having absolutely all the information in only one database, in the second stage of replication, the Specific Artificial Intelligence for Artificial Research by Deduction should be able to carry on empirical hypothesis, that after rational contrastation if accepted must be an object of single and comprehensive models.

Every stage and step in this long process should be entirely automated. The Specific Artificial Intelligence itself should be able to do this job by itself, without human intervention.

Nowadays, there are lots of organisations working in climatic studies from the national level to the international level, one of the most important being the Intergovernmental Panel on Climate Change, and across the entire world, there are thousands and thousands of centres, laboratories, universities and institutions doing all kinds of climatic measurement,

An Artificial Intelligence team having access to these databases, and integrating into only one database all possible information, regardless of how the information is taken, in direct punctuations or frequencies, can create a specific matrix of climatology, that is inserted in a Specific Artificial Intelligence for Artificial Research by Deduction in climatology, automatizes all the scientific research process in this area, doing by itself all the necessary scientific work.

The main benefit that these excellent designs of Artificial Research, by Application and Deduction, are going to give to the entire humanity is the possibility of the production of a cheaper and faster science, which will accelerate scientific progress. And finally, these first models in Specific Artificial Intelligence for Artificial Research, by Application or Deduction, applied to absolutely all databases across the world (for all countries, in all sciences, disciplines, and activities) are going to make really easy the creation of a Global Artificial Intelligence, and within it, a global matrix, working 24 hours a day, 7 days a week, in the production of scientific [knowledge](#), that will make easy the complete automatization of any other activity, especially the automation of the economy. Actually, this is the early beginning of something much bigger, the creation of a science and technology [beyond human understanding](#).

Continuing with the range of examples that I had planned for the explanation of how to make a specific matrix for Specific Artificial Intelligence by Deduction, the next example is about transport.

This topic is not itself a synthetic science. It is a kind of interdisciplinary or multidisciplinary study of a specific activity treated as a synthetic academic field. The possible factors to choose depend on the specific goal that the Artificial Intelligence team intends to achieve through the creation of this Specific Artificial Intelligence for Artificial Research by Deduction in transport.

The following example is the construction of a matrix designed to determine how many types of fuels are used, how much fuel, for everyone, is used, for how many travellers, and for how many hours, in total or per person.

This specific matrix integrates factors measured in direct punctuations and factors measured in frequency, and the possible factors are: 1) every single kind of transport, motorcycles, cars, taxis, buses, lorries, trains, airplane, boats, ships, differentiating every category, for instance one category for every kind of car, or even every brand or car maker, 2) what kind of fuel uses every single category, and specifically for each continent, country, province, city, town, and small village, international companies, national branches of international companies, national companies, small business ,or for particulars, families, or every particular person 2) how many of them are in total around the globe, and specifically for each continent, country, province, city, town, and small village, international companies, national branches of international companies, national companies, small business ,or for particulars, families, or every particular person 3) the consume of every kind of fuel, differentiating among continents, countries, provinces, and if possible even cities, towns, and small villages, international companies, national branches of international companies, national companies, small business, or for particulars, families, or every particular person 4) the frequency in which this transport are used around the globe, and each continent, country, province, city, town, and small village, international companies, national branches of international companies, national companies, small business, or for particulars, families, or every particular person , 5) the hours in which they are used around the globe, and each continent, country, province, city, town, and small village, international companies, national branches of international companies, national companies, small business, or for particulars, families, or every particular person, 6) the purposes in which they are use, differentiating categories for every kind of job, laboral sector, leisure, as well as any possible other, around the globe, and each continent, country, province, city, town, and small village, international companies, national branches of international companies, national companies, small business, or for particulars, families, or every particular person .

Similar databases should be developed by the R&D departments of fuel and automotive companies, ship makers, etc... the only thing to do for the elaboration of a specific matrix in this area, is to collect all the databases,

independently if their factors are measured by direct punctuations or frequencies, in order that in the second stage of replication, the Artificial Intelligence, after the identification of possible stochastic relations, if accepted as rational, makes single and comprehensive models.

Finally, the last example to bring up here, is gravity, a Specific Artificial Intelligence for Artificial Research by Deduction in gravity, whose database is a specific matrix where all the factors are only locations described in quantitative terms of latitude, longitude, depth or altitude, so later on in the second stage by robotic devices to fill in the matrix the measurements obtained about the intensity of gravity in each point. The main purpose of this Specific Artificial Intelligence would be the identification of any possible anomaly in the flow of gravity on Earth.

But much further than this, having such a kind of Specific Artificial Intelligence, the possibility that across the [universe](#), by spaceships, artificial satellites, and telescopes as well as robots on other planets such as Mars, all of them giving permanently a flow of [data](#) to this Specific Artificial Intelligence, and defining in quantitative terms any point of the universe from the information comes, the possibility to study any possible anomaly in the gravity of any galaxy, star, black hole, red dwarf, planet, satellite, asteroid, comet, meteorite across the universe.

Databases like this one are currently available in national space agencies such as NASA, EAS, ROSCOMOS, CNSA, among others. The only thing that an Artificial Intelligence team has to do is to integrate all databases about gravity from the Earth, and across the universe, depending on the projects, planetary or the universe, integrating all databases in only one, defining every point of the Earth or the universe to study in quantitative terms.

The formation of any specific matrix for any specific synthetic science or any synthetic academic field for any Specific Artificial Intelligence for Artificial Research by Deduction is always the same process: the definition of any factor to study in quantitative terms, nothing else. After the completion of this first stage, when the specific matrix is ready, then the second stage of replication.

Once the measurements are taken by robotic

devices, filling permanently in the matrix with the measurements, as a flow of data, then the Artificial Intelligence must work permanently without time off, 24 hours a day, 7 days a week, identifying possible stochastic relations among the Flow of data in the matrix, stochastic relations treated as a possible empirical hypothesis, in order to rationally criticize, and only if rational, the elaboration of a single virtual model of only those rational hypothesis, to integrate in a comprehensive virtual model.

The way in which this artificial intelligence is going to experiment with cyclic auto-replications, the third stage of any Artificial Intelligence, among other auto-improvements and auto-enhancements, is through the auto-improvements in the comprehensive virtual model at any time that is made any single virtual model.

After the elaboration of any single virtual model, if the empirical hypothesis has been accepted as rational, the single virtual model of a rational stochastic relation must be included in the comprehensive virtual model of this Artificial Intelligence, where finally, the Artificial Intelligence integrates all single virtual models in only one comprehensive virtual model.

Each time a stochastic relation is accepted as a rational hypothesis, the Specific Artificial Intelligence will generate a new single virtual model. This model is then integrated into the comprehensive virtual model, improving it automatically.

The most important thing in the development of Specific Artificial Intelligence for Artificial Research by Deduction in any synthetic science, synthetic academic field, or activity, is the fact that, in reality, they are the first experiments about how this technology can work, and be improved and enhanced in future models, being the objective the construction of a global matrix, for a Global Artificial Intelligence, able to carry on studies at global level, not only in one specific synthetic science, only one specific synthetic academic field, or only one activity, the Global Artificial Intelligence using Artificial Research by Deduction, after the completion of the global matrix, must be able to carry on all kind of studies, identifying all possible stochastic relations, around the globe or beyond, the universe, carrying on all kind of rational contrast, in order that, with absolutely all the rational hypothesis, the construction of a global virtual model.

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